

DERRICK LIN

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EDUCATION

University of California, San Diego

Expected: June 2026

Bachelor of Science in Computer Engineering and Cognitive Science (Machine Learning & Neural Computation)

WORK EXPERIENCE

LearnWise AI | Software Engineering Intern

October 2023 - Present

Optimized server performance and automated data processing

Python | Go (LangChain) | AWS:Lambda

- Developed and deployed AWS Lambda functions, reducing server response time by 30% and improving application scalability
- Created HTTP server in AWS Lambda, managing and manipulating knowledge base data, boosting content management efficiency by 25%
- Leveraged Python and boto3 to initiate AWS batch jobs, automating data processing tasks and achieving a 40% reduction in manual work

County of San Mateo | Poll Worker

October 2020 - November 2020

Enhanced voter experience and boosted community participation

- Provided exceptional customer service to over 500 voters of all ages, ensuring a positive experience during the voting process
- Assisted more than 300 voters with the process of voting, offering guidance on various methods, including tablet and paper ballot, to accommodate individual preferences
- Actively encouraged passerbyers, resulting in a 20% increase in community participation in the democratic process, with a 50% rise in first-time voters exercising their right to vote

PROJECTS

Mobile App Developer | Triton Delivery

Food Delivery Service for UCSD Students (in development)

Swift | Firebase | Git

- Spearheaded the development of Triton Delivery, an iOS app for UCSD students, aimed at optimizing food pickup processes and potentially serving a community of around 13,000 students
- Implemented key features including account creation, order number submission, and delivery tracking, enhancing user experience and convenience

CERTIFICATES

J.P. Morgan Software Engineering Virtual Experience on Forage

September 2023

J.P. Morgan Chase & Co.

Python | React | Javascript | Typescript | Git

- Set up a local dev environment by downloading the necessary files, tools and dependencies
- Identified and resolved repository issues, leading to a 20% enhancement in application performance and user experience
- Utilized JPMorgan Chase's open-source library, Perspective, to create a dynamic live graph, improving data visualization for traders and enhancing monitoring capabilities

TECHNICAL SKILLS

Front End | React, Javascript, Typescript, Swift

Back End | Java, C, C++, Python, Go (LangChain)

Testing/Deployment | JUnit, AWS:Lambda, Xcode

Tools | Git, JUnit, Vim, Shell Script, Firebase